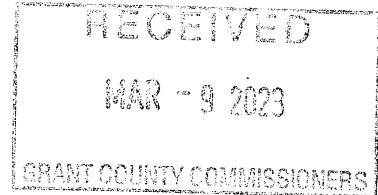


**AUTHORIZATION
FOR
TO CREATE CRP # 2023-03 FOR THE
PATTON & LORING SIGNAL UPGRADE 2023 ACP ITEM # 6
MISCELLANEOUS PROJECTS**



Authorization given: **March 14, 2023**
for the Department of Public Works to create CRP # 2023-03 for ACP Item # 6 Miscellaneous Projects
Patton & Loring Signal Upgrade 2023.

PURPOSE: **REPLACEMENT SIGNAL CABINET AND
CONTROLLER, UPGRADE TRAFFIC SIGNAL
LIGHTING AND REPLACE PEDESTRIAN CROSSING
BUTTONS AT THE PATTON & LORING
INTERSECTION**

BUGETED FUND: **101**
ESTIMATED COST: **\$127,000**

The time has come to consider updating this signalized intersection. The technology of the controller, pedestrian buttons and loop detection has progressed greatly in the last 22 years.

Staff requests authorization to create a CRP number to proceed with this project.

BOARD OF COUNTY COMMISSIONERS
GRANT COUNTY, WASHINGTON

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Rob Jones, Chair

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Cindy Carter, Vice Chair

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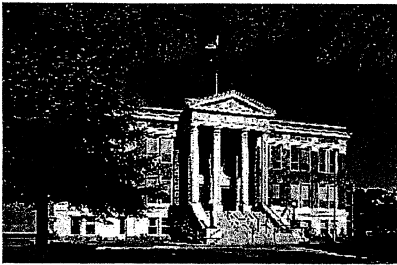
Danny E. Stone, Member

Approved:

Public Works Director

ATTEST:


Clerk of the Board

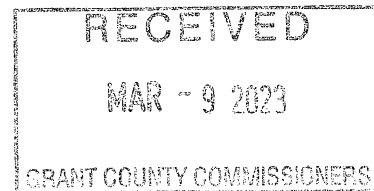


Grant County
Department of Public Works
124 Enterprise St. S.E.
Ephrata, WA 98823



Serial No. 23.035

To: Honorable Grant County Board of County Commissioners
From: Rob Harris 
Assistant County Road Engineer
Date: March 7, 2023



Re: Request to upgrade Patton & Loring Traffic Signal

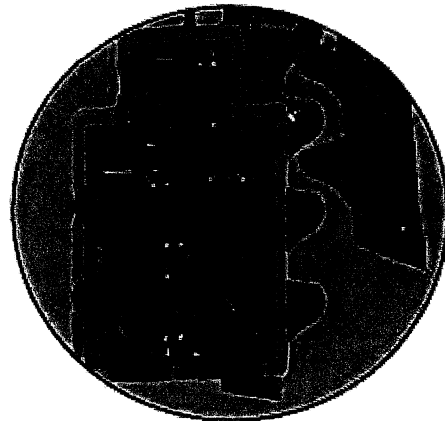
Legislative History:		Financial Impact:	
• First Presentation:	March 14, 2023	• Initial Cost: Purchase Materials	\$ 57,000
•	March 14, 2023	• Secondary Cost: Request Authorization to Call for Bids to Install Upgrades	\$ 70,000

Overview

Grant County Public Works currently only has one traffic signal in the county. This signal is located at the intersection of Patton Boulevard and Loring Drive, in the Larsen Housing area in rural Moses Lake.

This signal was installed between the fall of 2020 and the spring of 2021, making this signal approximately 22 years old. This signal has run pretty consistently during the past 22 years only requiring some minor repairs.

The time has come to consider updating this signalized intersection. The technology of the controller, pedestrian buttons and loop detection has progressed greatly in the last 22 years. The upgrade would include adding a complete new signal cabinet, this cabinet is built offsite and shipped as a complete unit. Replacing the aging loop detection with radar loop detection. Upgrading all the signal lights to newer more efficient LED bulbs. Replacing all the pedestrian crossing buttons to the new ADA compliant audible pedestrian buttons.



To meet current and future needs, serving together with public and private entities, while fostering a respectful and successful work environment.”

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509-754-6082

Washington State Department of Transportation and the City of Moses Lake has recently made these upgrades to their signalized intersections in the area. By allowing this upgrade Grant County would be operating the same hardware and software as both of these sister agencies.

Fiscal and Policy Implications

This proposed upgrade has two parts, first is requesting to purchase the material, signal cabinet, loop detectors, pedestrian buttons and LED bulbs from the state contract. The second part of this request would be to authorize Public Works to go to bid for the installation of the material.

This is the process that was utilized by both WSDOT and the City of Moses Lake.

The estimated cost for the material is approximately \$57,000 and the estimated cost for installation is approximately \$70,000.

Commission Packet Attachment

A.	Request to purchase Signal Upgrade Materials.
B.	Authorization to call for bids.
C.	Authorization to create CRP # 2023 - 03.

Action Requested

Public Works requests the Board approve the request to upgrade the Patton Boulevard & Loring Drive signal.

To meet current and future needs, serving together with public and private entities, while fostering a respectful and successful work environment.”

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